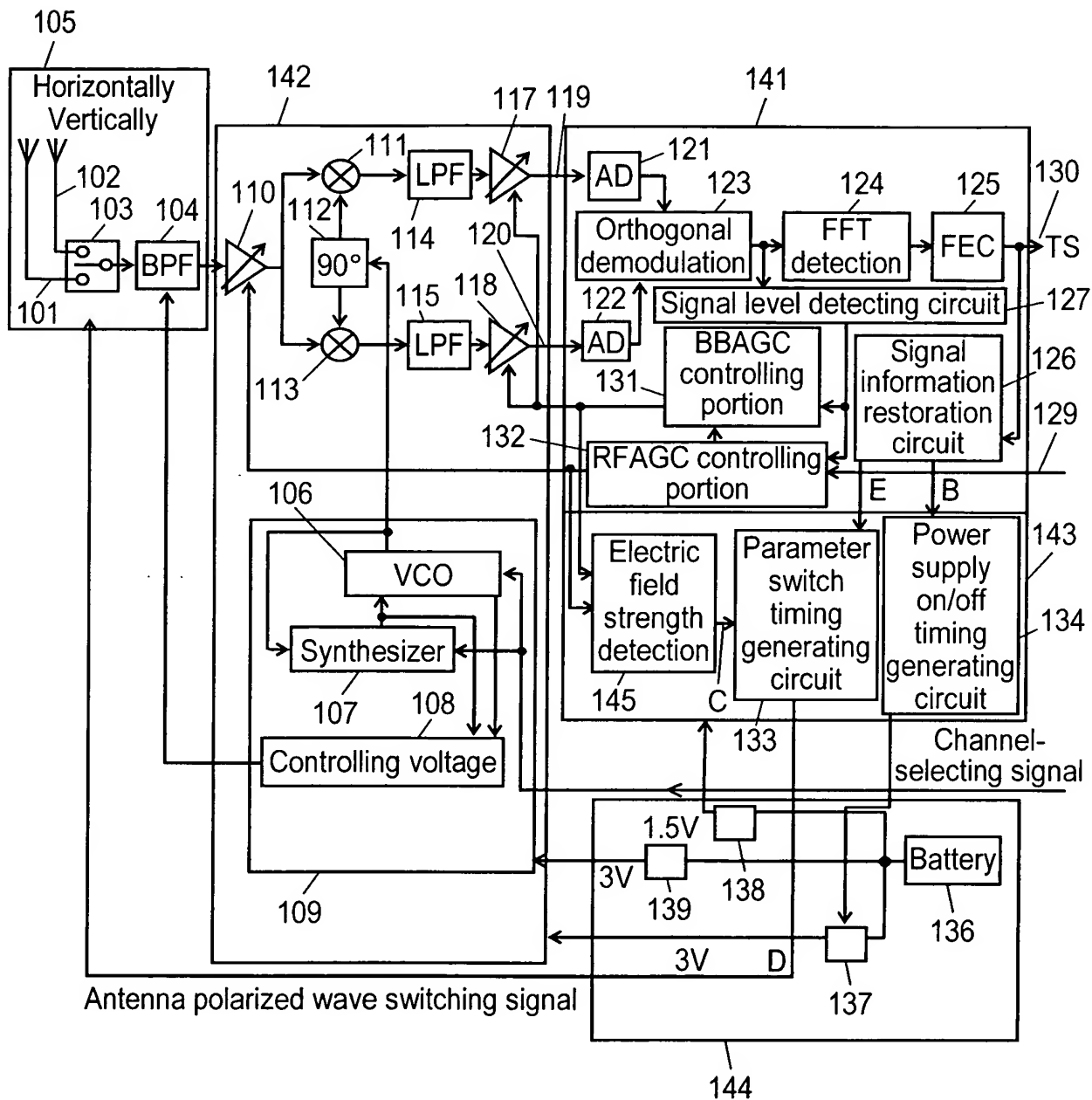


1/7

FIG. 1



2/7

FIG. 2A



FIG. 2B

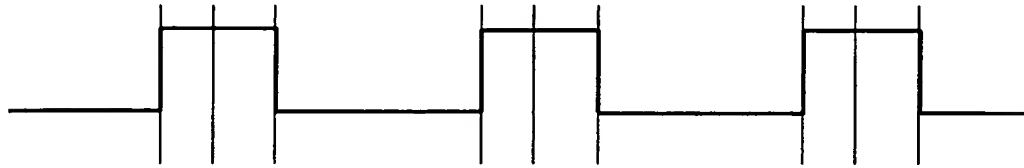


FIG. 2E

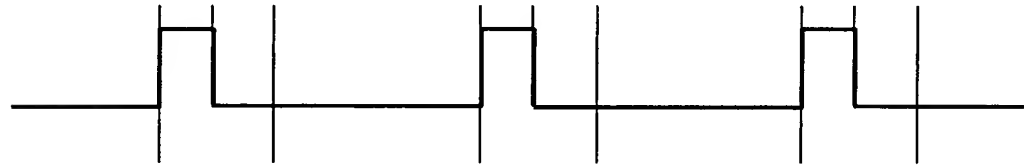


FIG. 2C

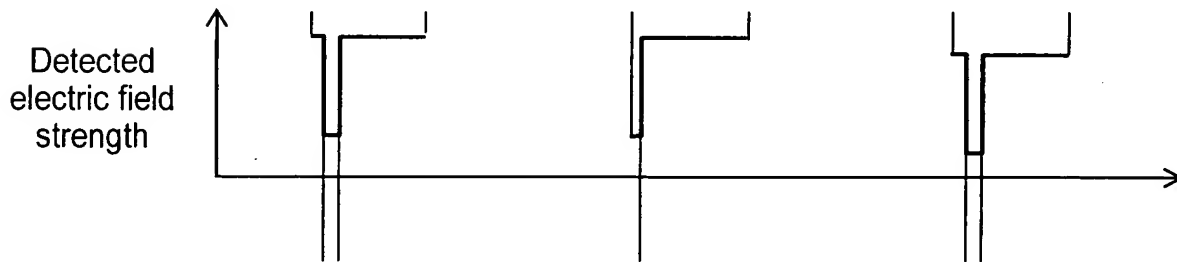
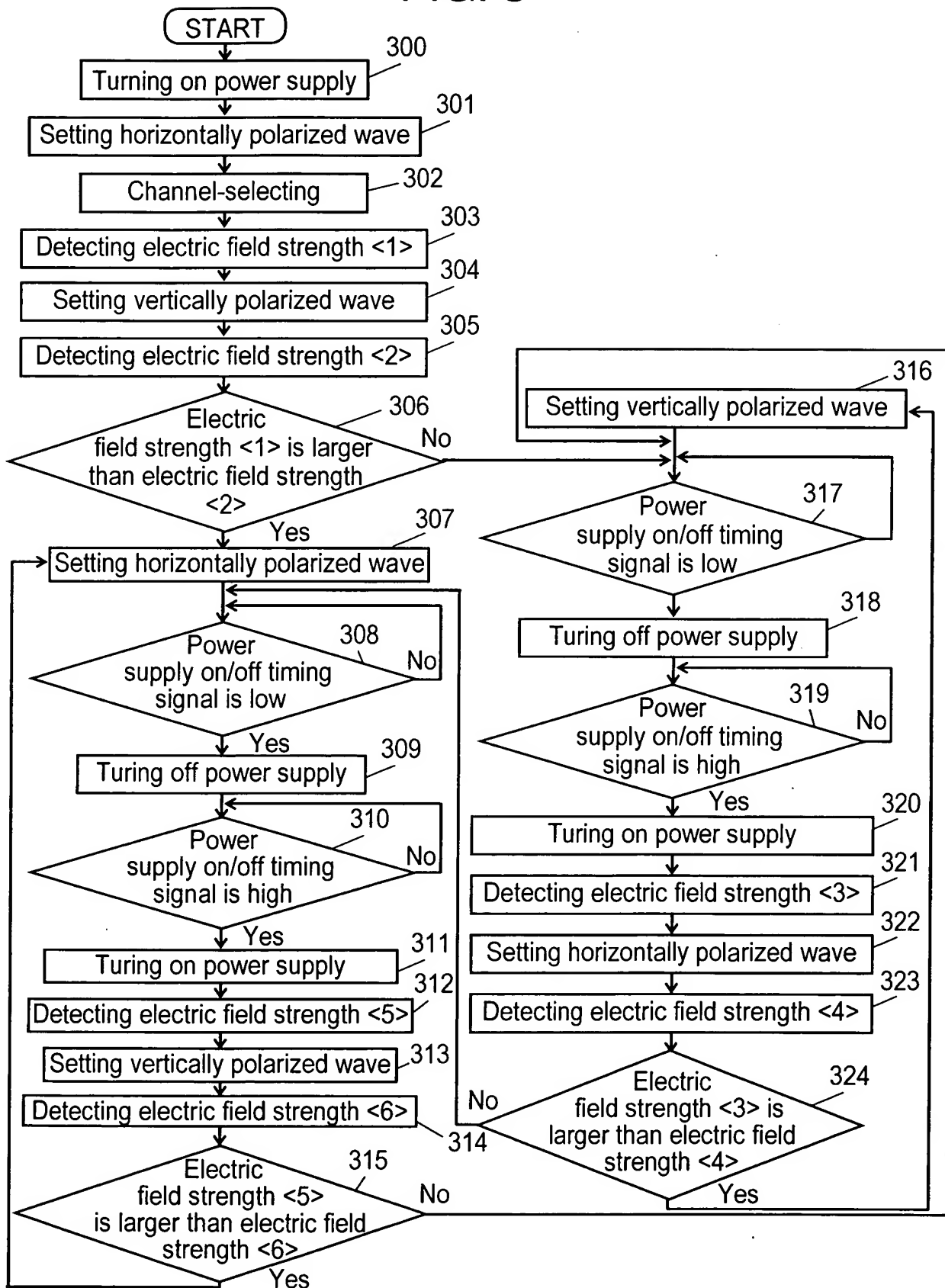


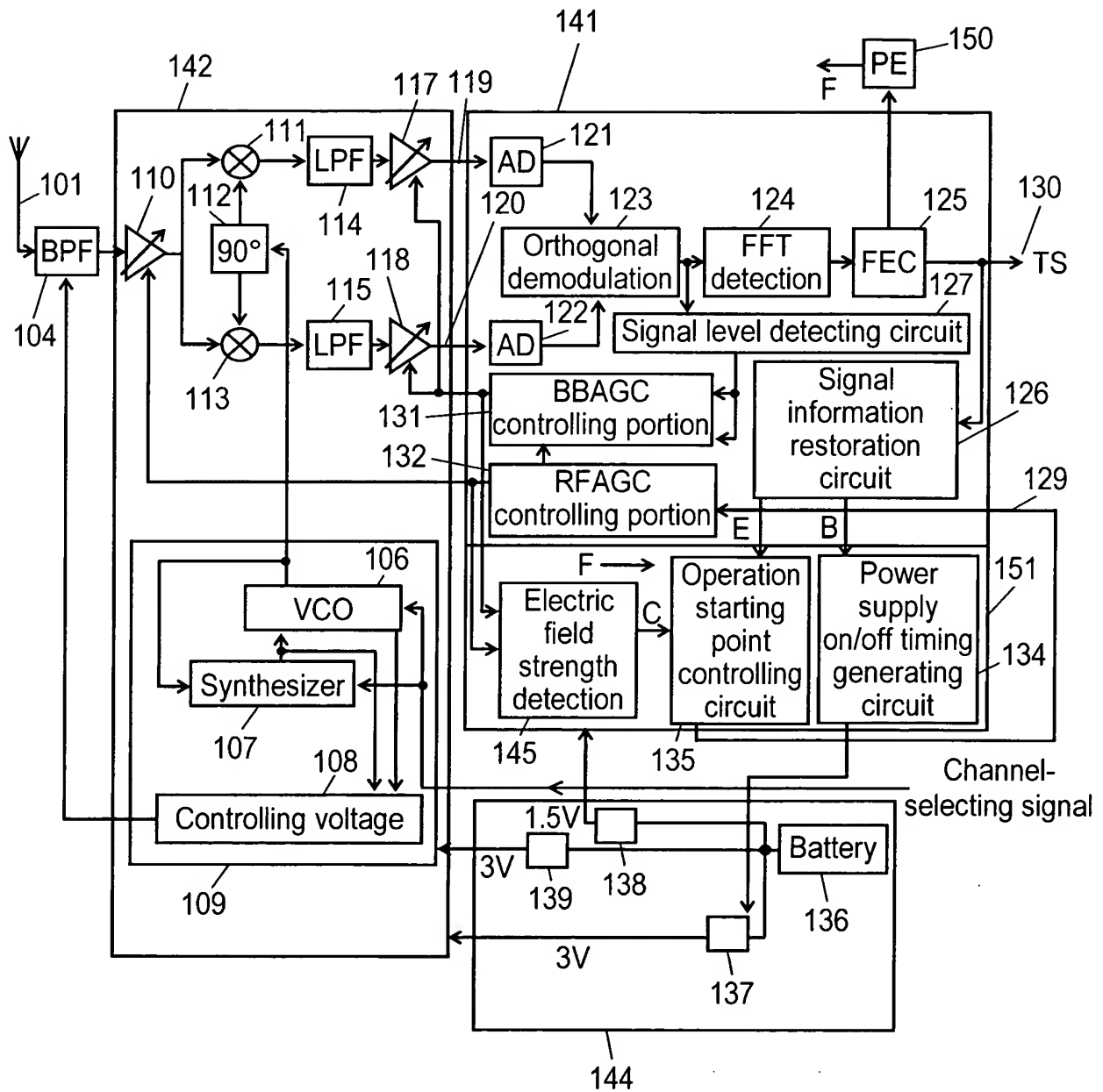
FIG. 2D



3/7

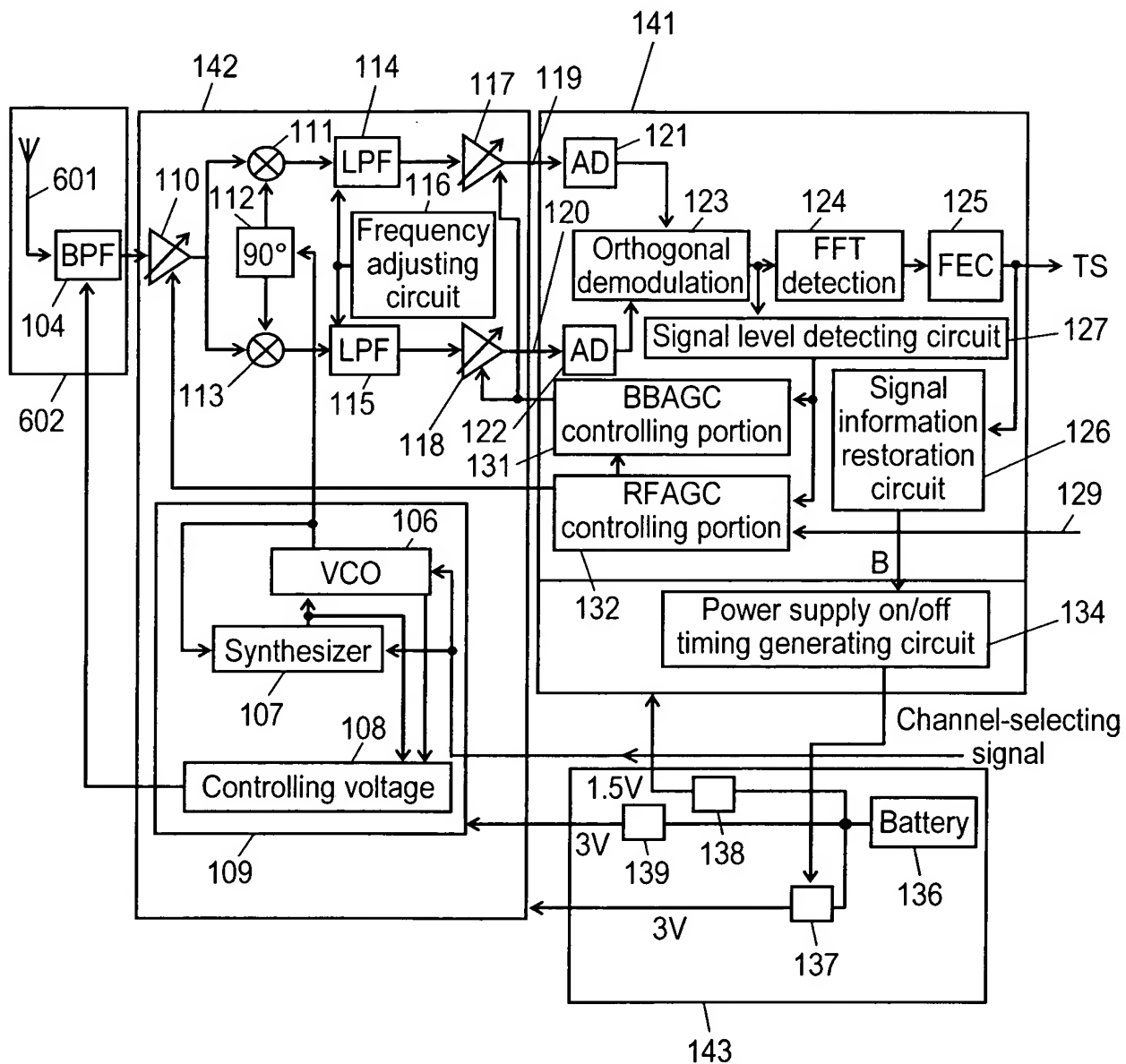
FIG. 3

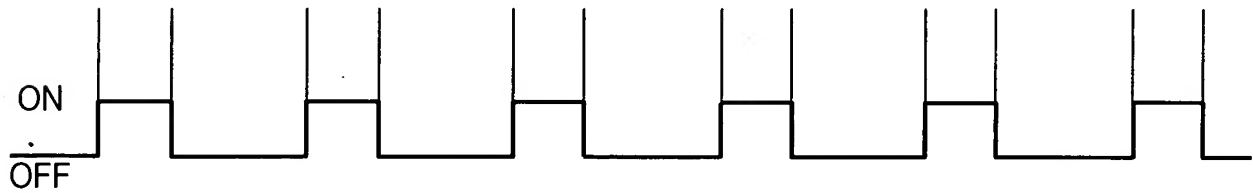




5/7

FIG. 5





7/7

Reference numerals in the drawings

- 101 Horizontally polarized wave antenna
- 102 Vertically polarized wave antenna
- 103 Antenna switching circuit
- 104 Bandpass filter (BPF)
- 105 Antenna portion
- 106 Voltage controlling oscillator (VCO)
- 107 Synthesizer
- 108 Controlling voltage generating circuit
- 109 Channel-selecting portion
- 110 RF gain amplifier
- 111,113 Frequency converting circuit
- 112 90° Phase shift circuit
- 114,115 Low pass filter (LPF)
- 117,118 Base band gain amplifier
- 119,120 Base band signal
- 121,122 AD converter
- 123 Orthogonally demodulating circuit
- 124 FFT detecting circuit
- 125 Error correcting circuit (FEC)
- 126 Signal information restoration circuit
- 131 BBAGC controlling portion
- 132 RFAGC controlling portion
- 133 Parameter switch timing generating circuit
- 134 Power supply on/off timing generating circuit
- 136 Battery
- 137,138,139 Power supplying circuit
- 145 Electric field strength detecting circuit